

F (20° C) and recheck continuity at the switch terminals.

6. The warm switch should have no continuity.
7. Replace the air temperature switch if it fails either test.

### Removal/Installation

1. Remove the right side cover as described in Chapter Fifteen.
2. Disconnect the electrical lead from the carburetor heater connector (**Figure 49**).
3. Unscrew and remove the carburetor heater (A, **Figure 51**) and collar (B) from the bottom of the float bowl.
4. Installation is the reverse of removal.

## THROTTLE HOUSING AND CABLE

### Throttle Housing

#### Disassembly/Inspection/Reassembly

Refer to **Figure 52**.

1. Park the ATV on level ground and set the parking brake.
2. Slide the rubber boot (A, **Figure 53**) off the cable adjuster.
3. Remove the throttle housing cover screws and cover (B, **Figure 53**). Remove the dowel pins, if used.
4. Loosen the throttle cable adjuster locknut (A, **Figure 54**) and loosen the adjuster.
5. Pry the lockwasher tabs away from the throttle arm pivot nut (B, **Figure 54**).
6. Remove the throttle arm pivot nut (B, **Figure 54**) and lockwasher, and then remove the throttle lever and its plastic washer (**Figure 55**).
7. Disconnect the throttle cable from the throttle arm (A, **Figure 56**), and then remove the throttle arm and spring (B).
8. Clean and dry the throttle housing and all parts.
9. Replace the throttle housing dust seal (14, **Figure 52**) if it is damaged.
10. Inspect the throttle lever assembly (**Figure 57**) for:
  - a. Weak or damaged spring.
  - b. Damaged throttle arm.
  - c. Corroded or damaged throttle arm.
  - d. Worn or damaged plastic washer.

11. Replace the throttle housing cover gasket if it is damaged.

**NOTE**

*Use a lithium based multipurpose grease (NLGI #2 or an equivalent) in Step 12 and Step 16.*

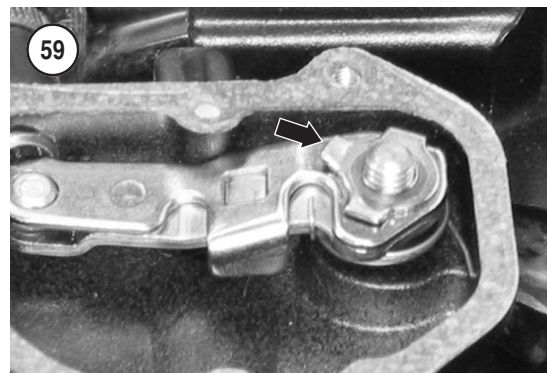
12. Lubricate the dust seal (14, **Figure 52**) with grease.
13. Connect the throttle cable ball into the end of the throttle arm (A, **Figure 56**).
14. Connect the spring to the throttle arm. Then install the spring and throttle arm into the throttle housing. Make sure the spring engages with the throttle arm and against the throttle housing as shown in **Figure 58**.
15. Install the plastic washer (**Figure 55**) onto the throttle lever.
16. Lubricate the throttle lever shaft with grease.
17. Install the throttle lever shaft through the dust seal and throttle arm.
18. Install a new lockwasher as shown in **Figure 59**.
19. Install and tighten the throttle arm nut (B, **Figure 54**). Bend the lockwasher tab against the nut.
20. Install the throttle housing dowel pins, if they are used.
21. Install the throttle housing cover (B, **Figure 53**) and gasket, and then install and tighten the cover screws.
22. Adjust the throttle cable as described in Chapter Three.

**NOTE**

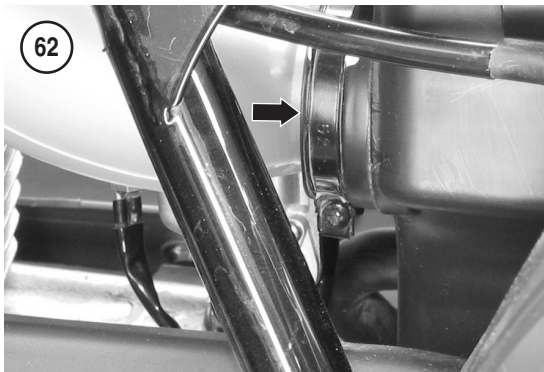
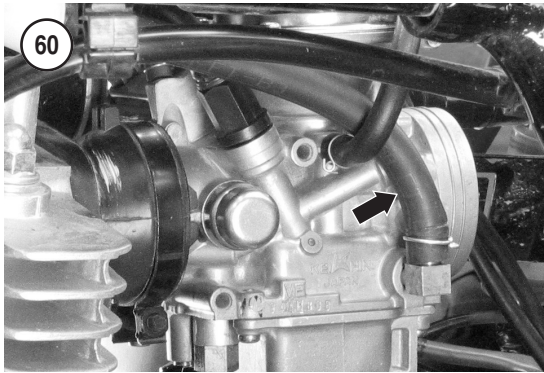
*After adjusting the throttle cable tighten the throttle cable adjuster locknut (A, **Figure 54**) and slide the rubber boot (A, **Figure 53**) over the adjuster.*

### Throttle Cable Replacement

1. Park the ATV on level ground and set the parking brake.
2. Remove the handlebar cover (Chapter Fifteen).
3. Remove the fuel tank as described in this chapter.
4. Disconnect the throttle cable at the throttle lever as described in *Throttle Housing Disassembly/Inspection/Reassembly* in this chapter.



5. Disconnect the throttle cable at the carburetor as described in *Carburetor Removal* in this chapter.
6. Disconnect the throttle cable from any clips holding the cable to the frame.
7. Remove the throttle cable.
8. Install the new throttle cable through the frame, routing it from the handlebar to carburetor. Secure the cable with its frame clips.
9. Connect the throttle cable to the carburetor as described in *Carburetor Installation* in this chapter.



10. Reconnect the throttle cable at the throttle lever as described in *Throttle Housing Disassembly/Inspection/Reassembly* in this chapter.

11. Operate the throttle lever and make sure the carburetor throttle pulley is operating correctly. If throttle operation is sluggish, make sure the cable was attached correctly and there are no tight bends in the cable.

12. Adjust the throttle cable as described in Chapter Three.

13. Test ride the vehicle and make sure the throttle is operating correctly.

## FUEL TANK

**Table 2** lists fuel tank specifications.

### Removal/Installation

1. Park the ATV on level ground and set the parking brake.
2. Turn off the fuel valve.
3. Remove the seat (Chapter Fifteen).
4. Disconnect the negative battery cable from the battery (Chapter Three).
5. Remove the side covers and fuel tank cover (Chapter Fifteen).
6. Disconnect the fuel hose from the carburetor (**Figure 60**).
7. Label and remove the hoses from the air intake duct (**Figure 61**).
8. Loosen the air duct clamp screw at the air box (**Figure 62**).

#### NOTE

*Refer to Chapter Fifteen for the trim clip disengagement and engagement procedure.*

9. Disengage the air duct trim clip (**Figure 63**), then remove the air duct.
10. Remove the fuel valve lever retaining screw (**Figure 64**), then remove the fuel valve lever.
11. Remove the front and rear fuel tank mounting bolts (**Figure 65**).
12. Remove the fuel tank.
13. Remove the heat guard as follows:
  - a. Remove the trim clips and cable clips securing the fuel tank heat guard to the frame.

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